

FORM PTO-1449 (REV.7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 870109.408	APPLICATION NO. 09/001,737
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANTS Lee Mizzen and Jan Wisniewski			
		FILING DATE December 31, 1997	GROUP ART UNIT 1645		

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WT	AA	5,232,833	08/03/93	Sanders et al.	435	7.21	
WT	AB						

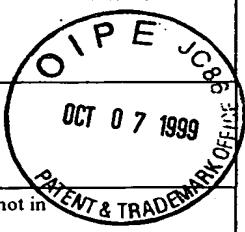
## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
WT	AC	CA 1,338,778	12/10/96	Canada		
WT	AD	EP 419 569 B1	04/03/91	EPO	OCT 07 1999 PATENT & TRADEMARK OFFICE	
WT	AE	WO 89/12455	12/28/89	PCT		
WT	AF	WO 94/03208	02/17/94	PCT		
WT	AG	WO 94/29459	12/22/94	PCT		
WT	AH	WO 95/24923	09/21/95	PCT		
WT	AI	WO 96/34116	10/31/96	PCT		
WT	AJ	WO 96/40928	12/19/96	PCT		
WT	AK	WO 97/06821	02/27/97	PCT		
WT	AL	WO 97/26910	07/31/97	PCT		

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

WT	AM	Barrios et al., "Mycobacterial heat-shock proteins as carrier molecules. II: The use of the 70-kDa mycobacterial heat-shock protein as carrier for conjugated vaccines can circumvent the need for adjuvants and <i>Bacillus Calmette Guérin</i> priming," <i>Eur. J. Immunol.</i> 22:1365-1372, 1992.
WT	AN	Benkiran et al., "Identification of a <i>Streptococcus suis</i> 60-kDa heat-shock protein using Western blotting," <i>FEMS Microbiology Letters</i> 153:379-385, 1997.
WT	AO	Dale and Beachy, "Multiple, Heart-Cross-Reactive Epitopes Of Streptococcal M Proteins," <i>J. Exp. Med.</i> 161:113-122, 1985.
WT	AP	Dale et al., "Recombinant Tetravalent Group A Streptococcal M Protein Vaccine," <i>The Journal of Immunology</i> 151(4):2188-2194, 1993.
WT	AQ	DeNagel and Pierce, "Heat Shock Proteins In Immune Responses," <i>Crit. Rev. Immunol.</i> 13(1): 71-81, 1993.

EXAMINER <i>Lesha Fields</i>	DATE CONSIDERED <i>4-6-01</i>
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).	



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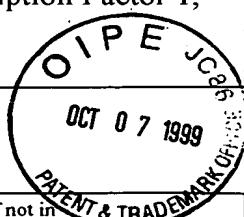
OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

lf	AA	Egusa et al., "Heat Shock Proteins in Acute Otitis Media," <i>Laryngoscope</i> 105: 708-713, 1995.
lf	AB	Hamel et al., "Heat shock response of <i>Streptococcus pneumoniae</i> : identification of immunoreactive stress proteins," <i>Microbial Pathogenesis</i> 232:11-21, 1997.
lf	AC	Kim et al., "Determinants of T Cell Reactivity to the <i>Mycobacterium leprae</i> GroES Homologue," <i>Journal of Immunology</i> 159(1):335-343, 1997.
lf	AD	Lindler and Hayes, "Nucleotide sequence of the <i>Salmonella typhi</i> -groEL heat shcok gene," <i>Microbial Pathogenesis</i> 17:271-275, 1994.
lf	AE	Macario, "Heat-shock proteins and molecular chaperones: implications for pathogenesis, diagnostics, and therapeutics," <i>Int. J. Clin. Lab. Res.</i> 25:59-70, 1995.
lf	AF	Parsell and Lidquist, "The Function Of Heat-Shock Proteins In Stress Tolerance: Degradation And Reactivation Of Damaged Proteins," <i>Ann. Rev. Genet.</i> 27:437-496, 1993.
lf	AG	Robinson and Kehoe, "Group A streptococcal M. proteins: virulence factors and protective antigens," <i>Immunology Today</i> 13(9):362-367, 1992.
lf	AH	Srivastava and Udon, "Heat shock protein-peptide complexes in cancer immunotherapy," <i>Curr. Opin. Immunol.</i> 6: 728-732, 1994.
lf	AI	Suzue and Young, "Heat shock proteins as immunological carriers and vaccines," in Feige et al. (eds.), <i>Stress-Inducible Cellular Responses</i> , Birkhäuser Verlag Basel/Switzerland, 1996, pp. 449-463.
lf	AJ	Tang et al., "Induction and Characterization of Heat Shock Proteins of <i>Salmonella typhi</i> and Their Reactivity with Sera from Patients with Typhoid Fever," <i>Infection and Immunity</i> 65(7):2983-2986, 1997.
lf	AK	Zuo et al., "Multiple Layers of Regulation of Human Heat Shock Transcription Factor 1," <i>Molecular And Cellular Biology</i> 15(8):4319-4330, 1995.

EXAMINER

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DATE CONSIDERED

*4-6-01*

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